

Fig. 1

Device Capability Table

Node #0	Reception	ATSC-HD/SD, DSS-HD, Analog
	Transmission	None
	Conversion	None
Node #1	Reception	DSS-HD/SD
	Transmission	DSS-HD/SD, Analog
	Conversion	DSS-HD/SD -> Analog
Node #2	Reception	ATSC-HD/SD, DSS-HD/SD, Analog
	Transmission	ATSC-HD/SD, DSS-HD/SD, Analog
	Conversion	None
Node #3	Reception	DV-SD, Analog
	Transmission	DV-SD, Analog
	Conversion	None
Node #4	Reception	DV-SD
	Transmission	ATSC-SD
	Conversion	DV-SD -> ATSC-SD

Fig. 2

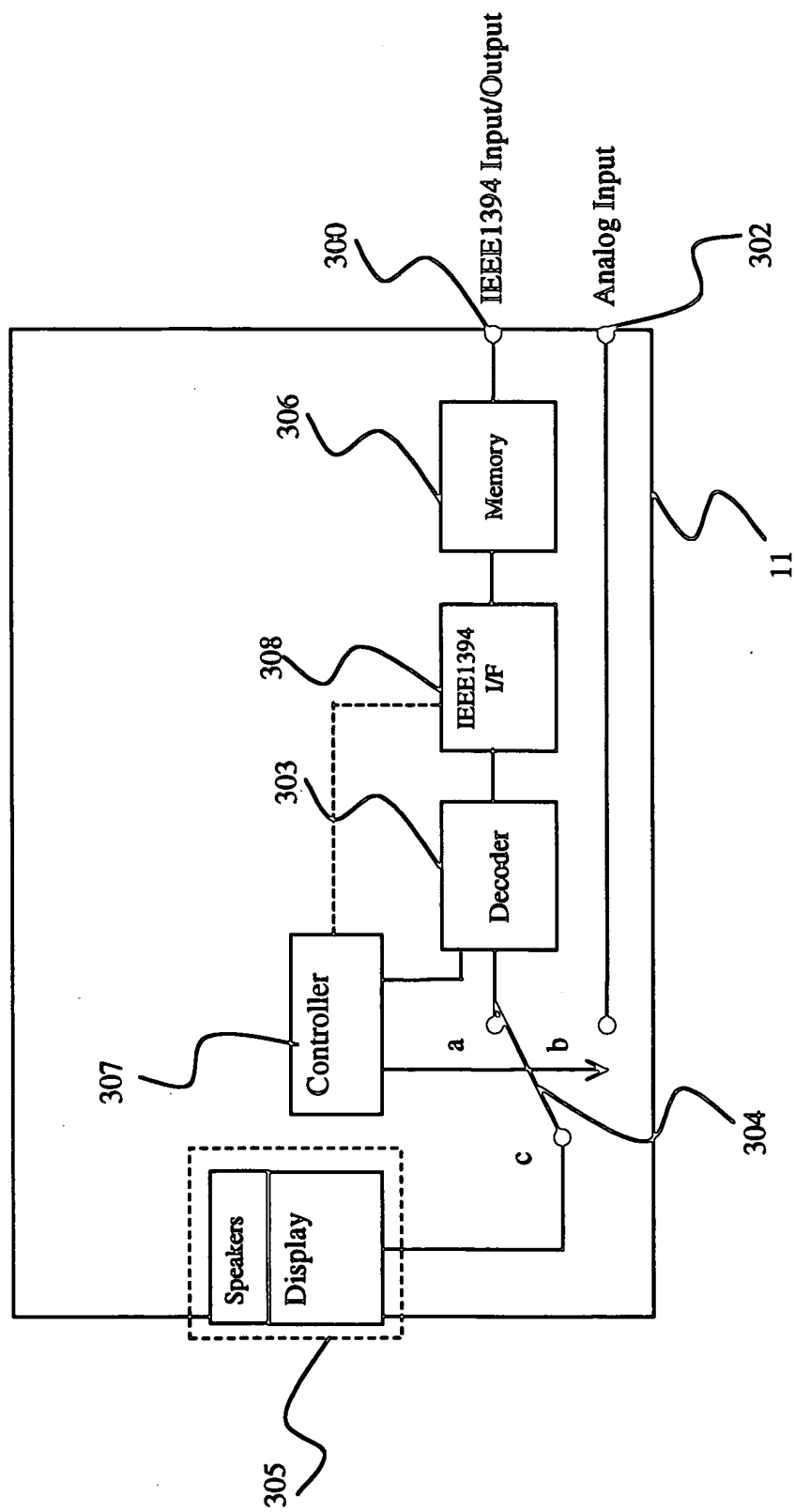


Fig. 3

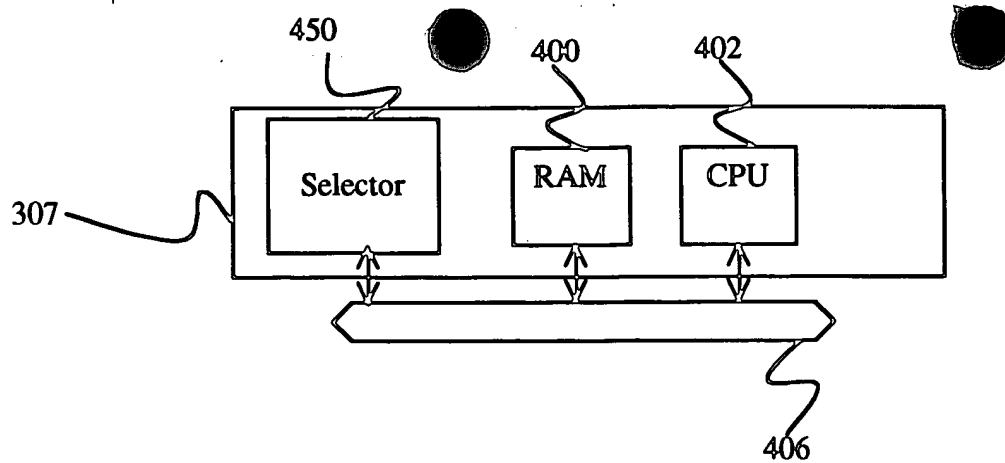


Figure 4A

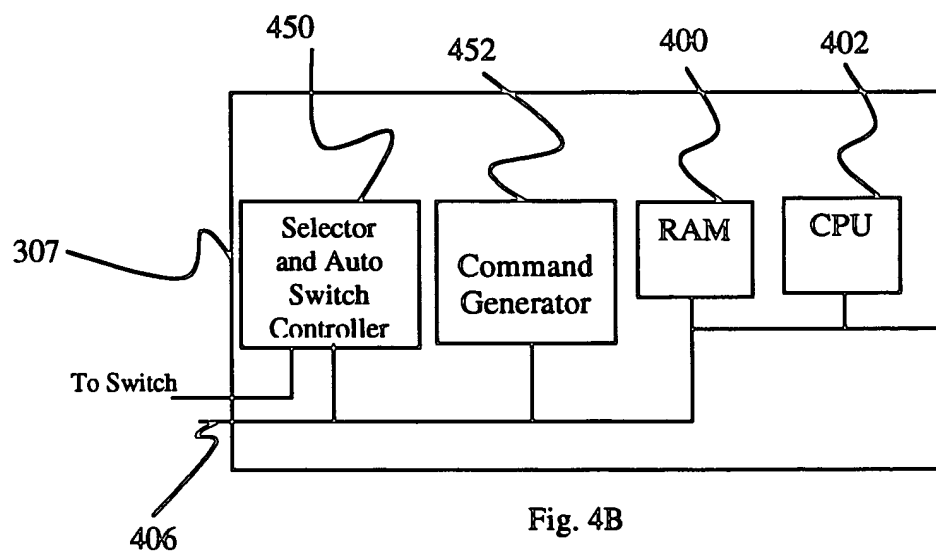


Fig. 4B

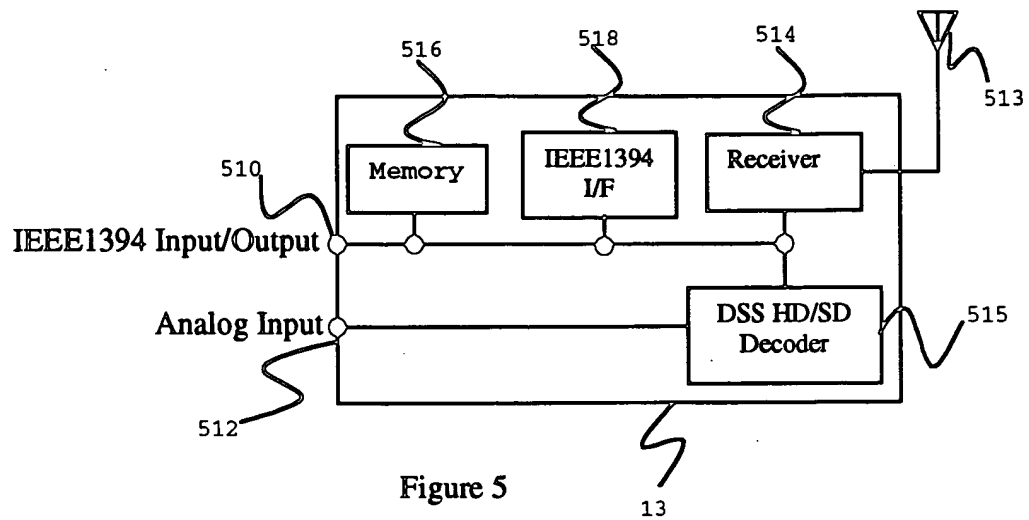


Figure 5

13

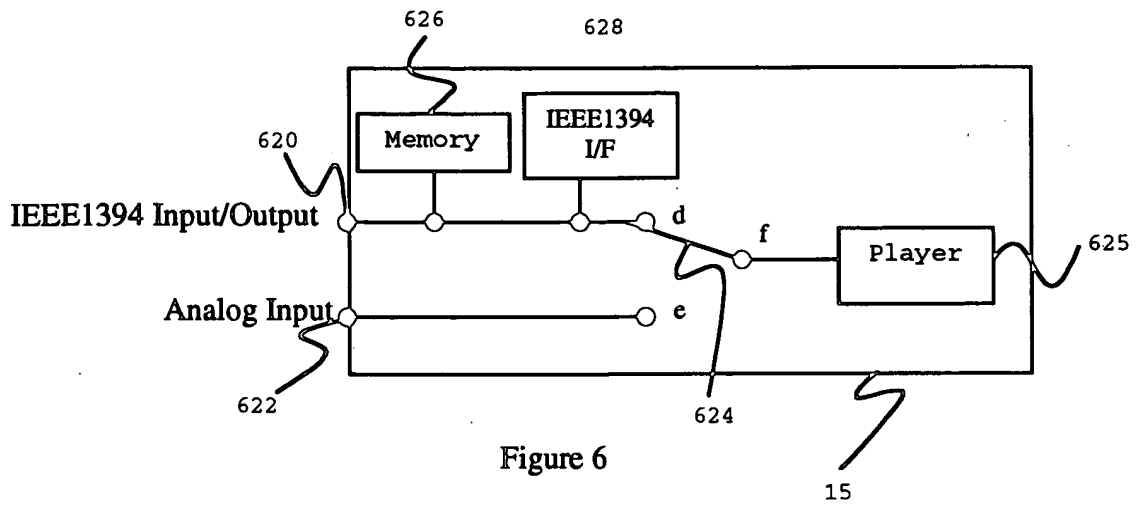


Figure 6

15

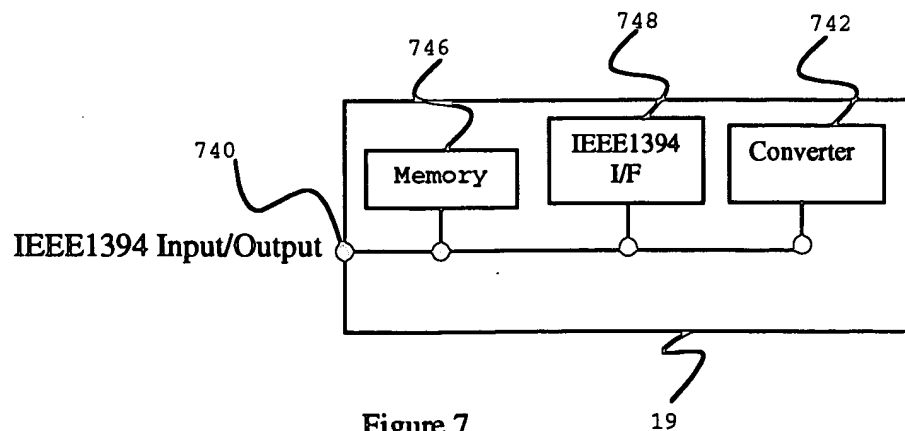


Figure 7

19

Exemplary Path Table

Source	Format	Route
node #0	N/A	
node #1	DSS-HD	#1 -(Digital) -#0
	DSS-SD	#1 -(Analog) -#0
node #2	ATSC-HD/SD	#2 -(Digital) -#0
	DSS-HD	#2 -(Digital) -#0
	DSS-SD	#2 -(Digital) -#1 -(Analog) -#0
	Analog	#2 -(Analog) -#0
node #3	DV-SD	#3 -(Digital) -#4 -(Digital) -#0
node #4	N/A	

Fig. 8

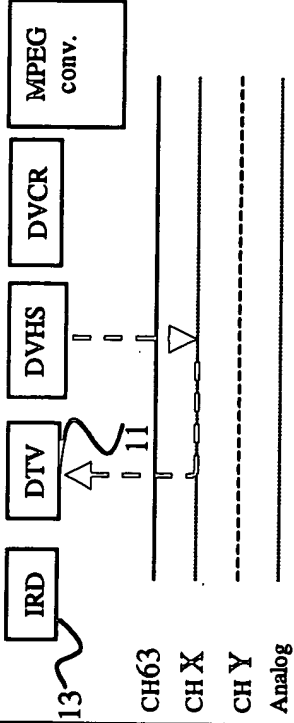
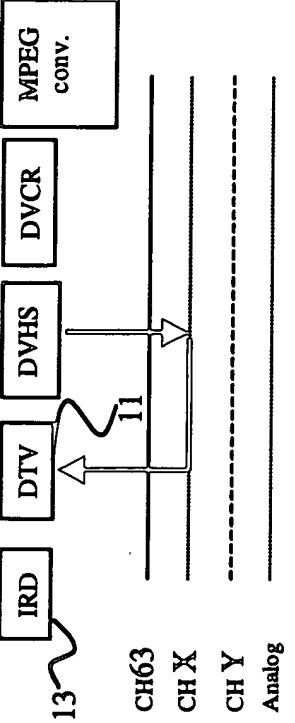
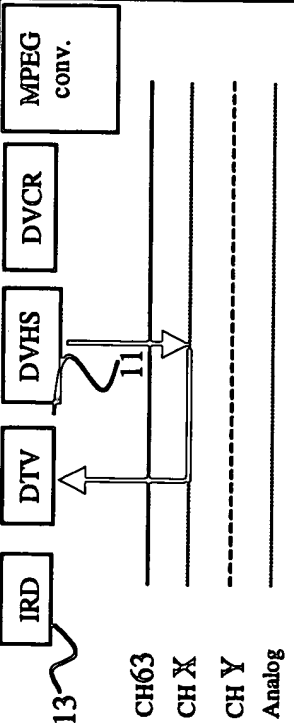
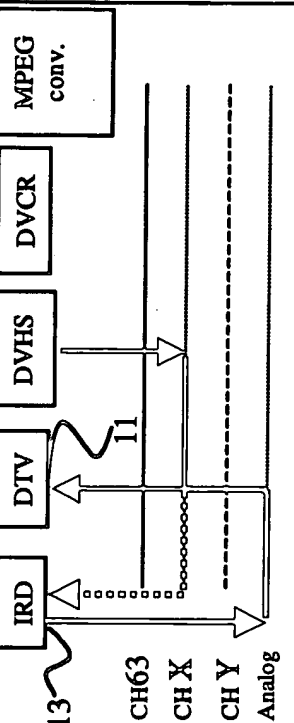
Situation	Step	Action by User	Signal Flow				IRD	DTV	DVHS
Watch DVHS [DSS-SD]	1	<u>DTV</u> "Input Select to DVHS"						Establish P-to-P with DVHS1, Input from CH-X	
	2	<u>DVHS</u> "PLAY"						Recognize SD stream	Play DSS-SD contents, Output TS to CH-X
	3							Displays "Change TV's input to IRD-Analog, Change IRD's input to DVHS-Digital"	
	4	<u>IRD</u> "Input Select to DVHS" <u>DTV</u> "Input Select to IRD-Analog"					Overlay P-to-P with DVHS, Input from CH-X, Decode		

Fig. 9

DELETED

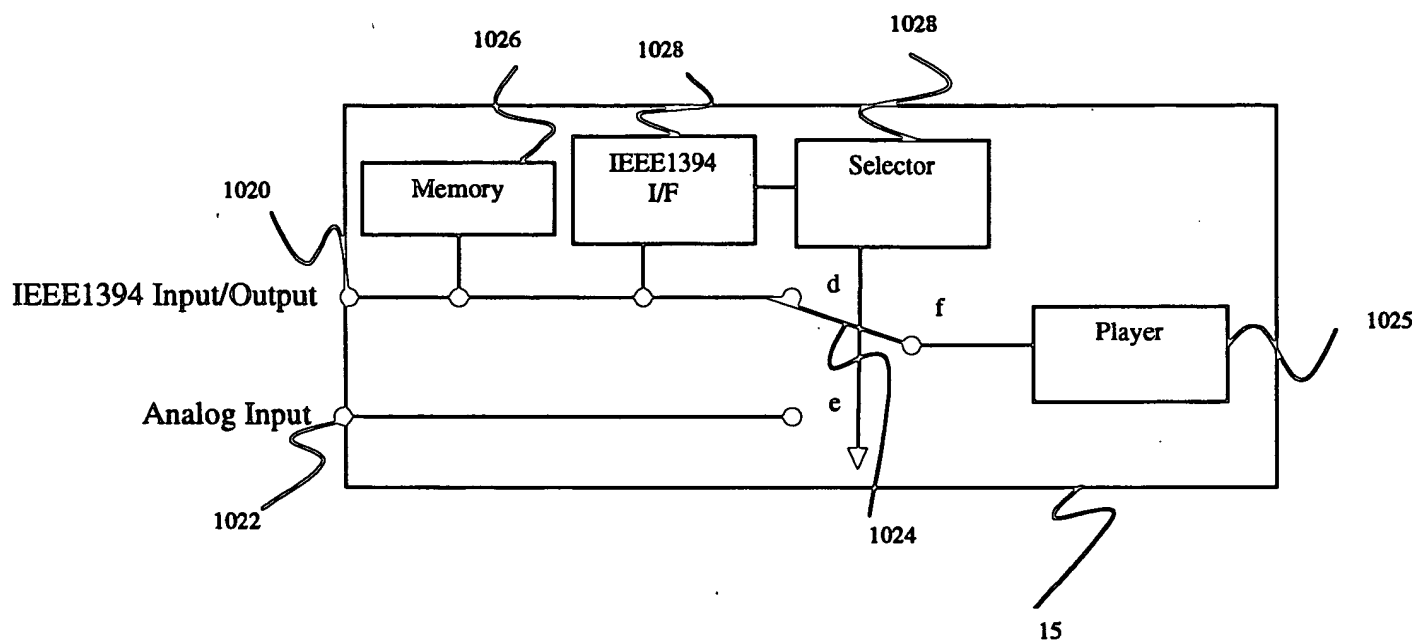


Figure 10